

JP 53-017407

Lithographic printing plate material mfr. - including applying light to hydrophilic radical-polymerisable cpd. in contact with oleophilic base material

Patent Assignee: KANSAI PAINT CO LTD

Patent Family							
Patent Number	Kind	Date	Application Number	Kind	Date	Week	Type
JP 53017407	A	19780217				197813	B
JP 84007090	B	19840216				198411	

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Abstract:

JP 53017407 A

Method comprises applying light to system in which hydrophilic radical-polymerisable cpd. is contacted with the surface of oleophilic base material consisting mainly of oleophilic resin having >0.05 mol./kg. of the sum of H radicals joined with C-C double bond and/or tert. C, and thus forming a hydrophilic layer on the surface.

The material consisting of oleophilic base material having hydrophilic layer on the surface can be very easily and simply made and is excellent in reproducibility of image, printing durability and ink suitability as master plate for lithographic offset printing. As the master plate can be obtained directly by the electric signal obtained by converting the image, the setting-up process becomes very simple and the master plate can be rapidly made.

Hydrophilic radical-polymerisable cpd. is e.g., (meth)acrylic acids, (meth)acrylic acid esters, vinyl cpds., styrenesulphonic acids, maleic acids, maleimides and (meth)acrylamides. Oleophilic resin is e.g., polybutadiene, butadiene-styrene copolymer, etc.

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